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Financial markets: market Information, investment strategies and spillovers

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Bibliography

- Ademmer, E. and F. Dreher (2016). Constraining political budget cycles: Media strength and fiscal institutions in the enlarged EU. *Journal of Common Market Studies* 54(3), 508–524.
- Akhmedov, A. and E. Zhuravskaya (2004). Opportunistic political cycles: Test in a young democracy setting. *The Quarterly Journal of Economics* 119(4), 1301–1338.
- Alt, J., D. D. Lassen, and J. Wehner (2014). It isn't just about Greece: Domestic politics, transparency and fiscal gimmickry in Europe. *British Journal of Political Science* 44(4), 707–716.
- Alt, J. E. and D. Lassen (2006). Transparency, political polarization, and political budget cycles in OECD countries. *American Journal of Political Science* 50(3), 530–550.
- Andersen, T. G., T. Bollerslev, F. X. Diebold, and C. Vega (2003). Micro effects of macro announcements: Real-time price discovery in foreign exchange. *American Economic Review* 93(1), 38–62.
- Andersen, T. G., T. Bollerslev, F. X. Diebold, and C. Vega (2007). Real-time price discovery in global stock, bond and foreign exchange markets. *Journal of International Economics* 73(2), 251–277.
- Andrews, D. W. K. (1991). Heteroskedasticity and autocorrelation consistent covariance matrix estimation. *Econometrica* 59(3), 817–858.
- Ang, A. and J. Chen (2010). Yield curve predictors of foreign exchange returns. AFA 2011 Denver Meetings Paper, American Finance Association.

- Ang, A. and M. Piazzesi (2003). A no-arbitrage vector autoregression of term structure dynamics with macroeconomic and latent variables. *Journal of Monetary Economics* 50(4), 745–787.
- Ang, A., M. Piazzesi, and M. Wei (2006). What does the yield curve tell us about GDP growth? *Journal of Econometrics* 131(1-2), 359–403.
- Arai, N. (2017). The effects of monetary policy announcements at the zero lower bound. *International Journal of Central Banking*, 159–196.
- Arellano, M. and S. Bond (1991). Some tests of specification for panel data: Monte Carlo evidence and an application to employment equations. *The Review of Economic Studies* 58(2), 277–297.
- Bakshi, G. and G. Panayotov (2013). Predictability of currency carry trades and asset pricing implications. *Journal of Financial Economics* 110(1), 139–163.
- Bauer, M. D. and C. J. Neely (2014). International channels of the Fed’s unconventional monetary policy. *Journal of International Money and Finance* 44, 24–46.
- Bayoumi, T. and T. Bui (2012). Global bonding: Do U.S. bond and equity spillovers dominate global financial markets? Technical Report 12-298, International Monetary Fund.
- Beetsma, R., M. Giuliodori, and P. Wiertz (2009). Planning to cheat: EU fiscal policy in real time. *Economic Policy* 24(60), 753–804.
- Beirne, J. and M. Fratzscher (2013). The pricing of sovereign risk and contagion during the European sovereign debt crisis. *Journal of International Money and Finance* 34, 60–82.
- Beirne, J. and J. Gieck (2014). Interdependence and contagion in global asset markets. *Review of International Economics* 22(4), 639–659.
- Bekaert, G., S. Cho, and A. Moreno (2010). New Keynesian macroeconomics and the term structure. *Journal of Money, Credit and Banking* 42(1), 33–62.

- Bekaert, G. and G. Panayotov (2019). Good carry, bad carry. NBER Working Paper 25420, National Bureau of Economic Research.
- Belke, A. and I. Dubova (2018). International spillovers in global asset markets. *Economic Systems* 42(1), 3–17.
- Benito, B., F. Bastida, and C. Vicente (2013). Creating room for manoeuvre: A strategy to generate political budget cycles under fiscal rules. *Kyklos* 66(4), 467–496.
- Benito, B., V. Montesinos, and F. Bastida (2008). An example of creative accounting in public sector: The private financing of infrastructures in Spain. *Critical Perspectives on Accounting* 19(7), 963–986.
- Bernanke, B. S. and A. S. Blinder (1988). Credit, money, and aggregate demand. *American Economic Review* 78(2), 435–439.
- Bernanke, B. S. and A. S. Blinder (1992). The Federal funds rate and the channels of monetary transmission. *American Economic Review* 82(4), 901–21.
- Bernanke, B. S. and K. N. Kuttner (2005). What explains the stock market’s reaction to Federal Reserve policy? *The Journal of Finance* 60(3), 1221–1257.
- Bernhard, S. and T. Ebner (2017). Cross-border spillover effects of unconventional monetary policies on Swiss asset prices. *Journal of International Money and Finance* 75, 109–127.
- Besley, T. and A. Prat (2006). Handcuffs for the grabbing hand? Media capture and government accountability. *American Economic Review* 96(3), 720–736.
- Bilson, J. F. O. (1981). The “speculative efficiency” hypothesis. *The Journal of Business* 54(3), 435–51.
- Black, F. (1995). Interest rates as options. *The Journal of Finance* 50(5), 1371–1376.

- Blinder, A., M. Ehrmann, J. de Haan, and D.-J. Jansen (2017). Necessity as the mother of invention: Monetary policy after the crisis. *Economic Policy* 32(92), 707–755.
- Bowman, D., J. M. Londono, and H. Sapriza (2015). US unconventional monetary policy and transmission to emerging market economies. *Journal of International Money and Finance* 55, 27–59.
- Brambor, T., W. R. Clark, and M. Golder (2006). Understanding interaction models: Improving empirical analyses. *Political Analysis* 14(1), 63–82.
- Brender, A. and A. Drazen (2005). Political budget cycles in new versus established democracies. *Journal of Monetary Economics* 52(7), 1271–1295.
- Brunnermeier, M. K., S. Nagel, and L. H. Pedersen (2009). Carry trades and currency crashes. In *NBER Macroeconomics Annual 2008, Volume 23*, NBER Chapters, pp. 313–347. National Bureau of Economic Research.
- Bruno, G. S. (2005). Approximating the bias of the LSDV estimator for dynamic unbalanced panel data models. *Economics Letters* 87(3), 361–366.
- Bun, M. J. and J. F. Kiviet (2003). On the diminishing returns of higher-order terms in asymptotic expansions of bias. *Economics Letters* 79(2), 145–152.
- Burnside, C., M. Eichenbaum, I. Kleshchelski, and S. Rebelo (2011). Do Peso problems explain the returns to the carry trade? *Review of Financial Studies* 24(3), 853–891.
- Buti, M. and P. Noord (2004). Fiscal discretion and elections in the early years of EMU. *Journal of Common Market Studies* 42(4), 737–756.
- Cameron, D. R. (2009). Creating market economies after communism: The impact of the European Union. *Post-Soviet Affairs* 25(1), 1–38.
- Chapman, A. (2014). Secret tapes in Polish Waitergate’ scandal could cost Warsaw’s government a key European Commission post. <http://www.newsweek.com/secret-tapes-polish-waitergate-scandal-could-cost-warsaws-government-key-european-258912>.

- Chen, Q., A. Filardo, D. He, and F. Zhu (2016). Financial crisis, US unconventional monetary policy and international spillovers. *Journal of International Money and Finance* 67, 62–81.
- Chen, Y. and K. P. Tsang (2013). What does the yield curve tell us about exchange rate predictability? *The Review of Economics and Statistics* 95(1), 185–205.
- Chinn, M. and J. A. Frankel (2003). The euro area and world interest rates. Technical report, Center for International Economics, UC Santa Cruz.
- Clarida, R. H., L. Sarno, M. P. Taylor, and G. Valente (2003). The out-of-sample success of term structure models as exchange rate predictors: a step beyond. *Journal of International Economics* 60(1), 61–83.
- Claus, E., I. Claus, and L. Krippner (2016). Monetary policy spillovers across the Pacific when interest rates are at the zero lower bound. *Asian Economic Papers* 15(3), 1–27.
- Cochrane, J. H. (2005). *Asset pricing: Revised edition*. Princeton University Press.
- Cochrane, J. H. and M. Piazzesi (2005). Bond risk premia. *American Economic Review* 95(1), 138–160.
- Cœuré, B. (2018, November). The international dimension of the ECBs asset purchase programme: an update. Speech at a conference on Exiting Unconventional Monetary Policies, organised by the Euro 50 Group, the CF40 forum and CIGI. [Accessed: 09-12-2018].
- Craine, R. and V. L. Martin (2008). International monetary policy surprise spillovers. *Journal of International Economics* 75(1), 180–196.
- de Haan, J. and J. Klomp (2013). Conditional political budget cycles: A review of recent evidence. *Public Choice* 157(3-4), 387–410.
- De Santis, R. A. and S. Zimic (2018). Spillovers among sovereign debt markets: Identification through absolute magnitude restrictions. *Journal of Applied Econometrics* 33(5), 727–747.

- Debrun, X., L. Moulin, A. Turrini, J. A.-i.-C. Kumar, and M. S. Kumar (2008). Tied to the mast? National fiscal rules in the European Union. *Economic Policy* 23(54), 297–362.
- Dees, S., F. d. Mauro, M. H. Pesaran, and L. V. Smith (2007). Exploring the international linkages of the euro area: A global VAR analysis. *Journal of Applied Econometrics* 22(1), 1–38.
- Della Corte, P., S. J. Riddiough, and L. Sarno (2016). Currency premia and global imbalances. *Review of Financial Studies* 29(8), 2161–2193.
- Dell’Ariccia, G., P. Rabanal, and D. Sandri (2018). Unconventional monetary policies in the euro area, Japan, and the United Kingdom. *The Journal of Economic Perspectives* 32(4), 147–172.
- Dewachter, H. and M. Lyrio (2006). Macro factors and the term structure of interest rates. *Journal of Money, Credit and Banking* 38(1), 119–140.
- Diebold, F. X. and C. Li (2006). Forecasting the term structure of government bond yields. *Journal of Econometrics* 130(2), 337–364.
- Doh, T., J. Choi, et al. (2016). Measuring the stance of monetary policy on and off the zero lower bound. *Federal Reserve Bank of Kansas City, Economic Review* 101(3), 5–24.
- Drazen, A. and M. Eslava (2010). Electoral manipulation via voter-friendly spending: Theory and evidence. *Journal of Development Economics* 92(1), 39–52.
- Dreher, F., J. Gräß, and T. Kostka (2018). From carry trades to curvy trades. ECB Working Paper Series 2149, European Central Bank.
- Dubois, E. (2016). Political business cycles 40 years after Nordhaus. *Public Choice* 166(1-2), 235–259.
- Ebeke, C. and D. Ölcü (2013). Fiscal policy over the election cycle in low-income countries. Technical Report 13-153, International Monetary Fund.

- Efthyvoulou, G. (2012). Political budget cycles in the European Union and the impact of political pressures. *Public Choice* 153(3–4), 295–327.
- Ehrmann, M. and M. Fratzscher (2017). Euro area government bonds—fragmentation and contagion during the sovereign debt crisis. *Journal of International Money and Finance* 70, 26–44.
- Ehrmann, M., M. Fratzscher, and R. Rigobon (2011). Stocks, bonds, money markets and exchange rates: Measuring international financial transmission. *Journal of Applied Econometrics* 26(6), 948–974.
- Engel, C. and K. D. West (2010). Global interest rates, currency returns, and the real value of the Dollar. *American Economic Review* 100(2), 562–67.
- Eslava, M. (2011). The political economy of fiscal deficits: A survey. *Journal of Economic Surveys* 25(4), 645–673.
- Estrella, A. and G. A. Hardouvelis (1991, June). The term structure as a predictor of real economic activity. *Journal of Finance* 46(2), 555–76.
- European Commission (2014). Databases and indicators: Numerical fiscal rules in the EU member states.
- Falagiarda, M., P. McQuade, and M. Tirpàk (2015). Spillovers from the ECB’s non-standard monetary policies on non-euro area EU countries: Evidence from an event-study analysis. ECB Working Paper Series 1869, European Central Bank.
- Falagiarda, M. and S. Reitz (2015). Announcements of ECB unconventional programs: Implications for the sovereign spreads of stressed euro area countries. *Journal of International Money and Finance* 53, 276–295.
- Fama, E. F. (1984). Forward and spot exchange rates. *Journal of Monetary Economics* 14(3), 319–38.
- Fama, E. F. and J. D. MacBeth (1973). Risk, return, and equilibrium: Empirical tests. *Journal of Political Economy* 81(3), 607–636.
- Farhi, E., S. Fraiberger, X. Gabaix, R. Ranciere, and A. Verdelhan (2015). Crash risk in currency markets. Harvard University OpenScholar Working Paper 20948, Harvard University.

- Faust, J. (1998). The robustness of identified VAR conclusions about money. In *Carnegie-Rochester Conference Series on Public Policy*, Volume 49, pp. 207–244.
- Fic, T. (2013). *The spillover effects of unconventional monetary policies in major developed countries on developing countries*. United Nations, Department of Economic and Social Affairs.
- Franzese, R. J. (2000). Electoral and partisan manipulation of public debt in developed democracies, 1956–90. In R. Strauch and J. von Hagen (Eds.), *Institutions, politics and fiscal policy*. New York: Springer.
- Fratzscher, M., M. Lo Duca, and R. Straub (2016). ECB unconventional monetary policy: Market impact and international spillovers. *IMF Economic Review* 64(1), 36–74.
- Fratzscher, M., M. Lo Duca, and R. Straub (2017). On the international spillovers of US quantitative easing. *The Economic Journal* 128(608), 330–377.
- Freedom House (2014). Freedom of the Press: Detailed data and sub-scores 1980–2014.
- Gagnon, J., M. Raskin, J. Remache, B. Sack, et al. (2011). The financial market effects of the Federal Reserves large-scale asset purchases. *International Journal of Central Banking* 7(1), 3–43.
- Gagnon, J. E., T. Bayoumi, J. M. Londono, C. Saborowski, and H. Sapriza (2017). Direct and spillover effects of unconventional monetary and exchange rate policies. *Open Economies Review* 28(2), 191–232.
- Georgiadis, G. (2017). To bi, or not to bi? Differences between spillover estimates from bilateral and multilateral multi-country models. *Journal of International Economics* 107, 1–18.
- Georgiadis, G. and J. Gräb (2016). Global financial market impact of the announcement of the ECB’s asset purchase programme. *Journal of Financial Stability* 26, 257–265.

- Gilchrist, S., V. Z. Yue, E. Zakrajšek, et al. (2016). The response of sovereign bond yields to US monetary policy. *Central Banking, Analysis, and Economic Policies Book Series 24*, 257–283.
- Glick, R. and S. Leduc (2012). Central bank announcements of asset purchases and the impact on global financial and commodity markets. *Journal of International Money and Finance 31*(8), 2078–2101.
- Gräb, J. and T. Kostka (2018). Predicting risk premia in short-term interest rates and exchange rates. ECB Working Paper Series 2131, European Central Bank.
- Gräb, J. and D. Żochowski (2017). The international bank lending channel of unconventional monetary policy. ECB Working Paper Series 2109, European Central Bank.
- Gürkaynak, R. S., B. Sack, and E. T. Swanson (2005). Do actions speak louder than words? The response of asset prices to monetary policy actions and statements. *International Journal of Central Banking 1*(1), 55–93.
- Gürkaynak, R. S., B. Sack, and J. H. Wright (2007). The U.S. Treasury yield curve: 1961 to the present. *Journal of Monetary Economics 54*(8), 2291–2304.
- Haitsma, R., D. Unalmis, and J. de Haan (2016). The impact of the ECB’s conventional and unconventional monetary policies on stock markets. *Journal of Macroeconomics 48*, 101–116.
- Hallerberg, M., L. Vinhas de Souza, and W. R. Clark (2002). Political business cycles in EU accession countries. *European Union Politics 3*(2), 231–250.
- Hallerberg, M. and S. Yläoutinen (2010). Political power, fiscal institutions and budgetary outcomes in Central and Eastern Europe. *Journal of Public Policy 30*(1), 45–62.
- Hansen, L. P. (1982). Large sample properties of generalized method of moments estimators. *Econometrica 50*(4), 1029–1054.

- Hartmann, P. and F. Smets (2018). The first twenty years of the european central bank: Monetary policy. ECB Working Paper Series 1869, European Central Bank.
- Haugh, D., P. Ollivaud, and D. Turner (2009). What drives sovereign risk premiums? An anaysis of recent evidence from the euro area. Technical Report 716, OECD.
- Hayo, B. and B. Niehof (2013). Identification Through Heteroscedasticity in a Multicountry and Multimarket Framework. *MAGKS Economic Papers* 12.
- Hosono, K. and S. Isobe (2014). The financial market impact of unconventional monetary policies in the US, the UK, the Eurozone, and Japan. Technical report, Policy Research Institute, Ministry of Finance Japan.
- International Monetary Fund (2013). Unconventional monetary policies - recent experience and prospects. *IMF, Washington DC: April 18*.
- Joyce, M., A. Lasasosa, I. Stevens, and M. Tong (2011). The financial market impact of quantitative easing in the United Kingdom. *International Journal of Central Banking* 7(3), 113–161.
- Kishor, N. K. and H. A. Marfatia (2013). The time-varying response of foreign stock markets to US monetary policy surprises: Evidence from the Federal funds futures market. *Journal of International Financial Markets, Institutions and Money* 24, 1–24.
- Krippner, L. (2013). Measuring the stance of monetary policy in zero lower bound environments. *Economics Letters* 118(1), 135–138.
- Krippner, L. (2015). A comment on Wu and Xia (2015), and the case for two-factor shadow short rates. Technical Report 48, Centre for Applied Macroeconomic Analysis.
- Krippner, L. (2019). Comparison of international monetary policy measures. Accessed: 2019-02-25.
- Krishnamurthy, A. and A. Vissing-Jorgensen (2011). The effects of quantitative easing on interest rates: Channels and implications for policy. *Brookings Papers on Economic Activity* 2011(2), 215–287.

- Kuttner, K. N. (2001). Monetary policy surprises and interest rates: Evidence from the Fed funds futures market. *Journal of Monetary Economics* 47(3), 523–544.
- Kuttner, K. N. (2018). Outside the box: Unconventional monetary policy in the Great Recession and beyond. *Journal of Economic Perspectives* 32(4), 121–46.
- Kydland, F. E. and E. C. Prescott (1977). Rules rather than discretion: The inconsistency of optimal plans. *Journal of Political Economy* 85(3), 473–492.
- Laeven, L. and F. Valencia (2013). Systemic Banking Crises Database. *IMF Economic Review* 61(2), 225–270.
- Lim, J. J. and S. Mohapatra (2016). Quantitative easing and the post-crisis surge in financial flows to developing countries. *Journal of International Money and Finance* 68, 331–357.
- Lombardi, M. J. and F. Zhu (2014). A shadow policy rate to calibrate US monetary policy at the zero lower bound. Technical Report 452, Bank for International Settlements.
- Louzis, D. (2013). Measuring return and volatility spillovers in euro area financial markets. Technical report, Bank of Greece.
- Lustig, H., N. Roussanov, and A. Verdelhan (2011). Common risk factors in currency markets. *Review of Financial Studies* 24(11), 3731–3777.
- Lustig, H., A. Stathopoulos, and A. Verdelhan (2013). The term structure of currency carry trade risk premia. NBER Working Papers 19623, National Bureau of Economic Research.
- Lustig, H. and A. Verdelhan (2007). The cross section of foreign currency risk premia and consumption growth risk. *American Economic Review* 97(1), 89–117.
- Mandon, Pierre and Cazals, Antoine (2019). Political budget cycles: manipulation by leaders versus manipulation by researchers? Evidence

- from a meta-regression analysis. *Journal of Economic Surveys* 33(1), 274–308.
- Meese, R. A. and K. Rogoff (1983). Empirical exchange rate models of the seventies: Do they fit out of sample? *Journal of International Economics* 14(1-2), 3–24.
- Menkhoff, L., L. Sarno, M. Schmeling, and A. Schrimpf (2012). Carry trades and global foreign exchange volatility. *Journal of Finance* 67(2), 681–718.
- Milesi-Ferretti, G. M. (2004). Good, bad or ugly? On the effects of fiscal rules with creative accounting. *Journal of Public Economics* 88(1-2), 377–394.
- Mink, M. and J. de Haan (2006). Are there political budget cycles in the Euro Area? *European Union Politics* 7(2), 191–211.
- Moench, E. (2012). Term structure surprises: the predictive content of curvature, level, and slope. *Journal of Applied Econometrics* 27(4), 574–602.
- Neely, C. J. (2015). Unconventional monetary policy had large international effects. *Journal of Banking & Finance* 52, 101–111.
- Nelson, C. R. and A. F. Siegel (1987). Parsimonious modeling of yield curves. *The Journal of Business* 60(4), 473–89.
- Newey, W. K. and K. D. West (1987). A simple, positive semi-definite, heteroskedasticity and autocorrelation consistent covariance matrix. *Econometrica* 55(3), 703–08.
- Nickell, S. (1981). Biases in dynamic models with fixed effects. *Econometrica* 49(6), 1417–1426.
- Nordhaus, W. D. (1975). The political business cycle. *Review of Economic Studies* 42(2), 169–190.
- Nyholm, K. (2016). A rotated dynamic Nelson-Siegel model with macro-financial applications. ECB Working Paper Series 1851, European Central Bank.
- Peltzman, S. (1992). Voters as fiscal conservatives. *The Quarterly Journal of Economics* 107(2), 327–361.

- Philips, A. Q. (2016). Seeing the forest through the trees: a meta-analysis of political budget cycles. *Public Choice* 168(3-4), 313–341.
- Piazzesi, M. and J. Cochrane (2009). Decomposing the yield curve. 2009 Meeting Papers 18, Society for Economic Dynamics.
- Piazzesi, M. and E. T. Swanson (2008). Futures prices as risk-adjusted forecasts of monetary policy. *Journal of Monetary Economics* 55(4), 677–691.
- Raskin, M. (2013). The effects of monetary policy on corporate bond yields. Technical report, Federal Reserve Bank of New York.
- Redžepagić, S. and M. Llorca (2007). Does politics matter in the conduct of fiscal policy? Political determinants of the fiscal sustainability: Evidence from seven individual Central and Eastern European Countries (CEEC). *PANOECONOMICUS* 54(4), 489–500.
- Reinhart, C. M. and K. S. Rogoff (2004). The modern history of exchange rate arrangements: A reinterpretation. *The Quarterly Journal of Economics* 119(1), 1–48.
- Rigobon, R. (2003). Identification through heteroskedasticity. *Review of Economics and Statistics* 85(4), 777–792.
- Rigobon, R. and B. Sack (2003). Measuring the reaction of monetary policy to the stock market. *The Quarterly Journal of Economics* 118(2), 639–669.
- Rigobon, R. and B. Sack (2004). The impact of monetary policy on asset prices. *Journal of Monetary Economics* 51(8), 1553–1575.
- Rogers, J. H., C. Scotti, and J. H. Wright (2014). Evaluating asset-market effects of unconventional monetary policy: A multi-country review. *Economic Policy* 29(80), 749–799.
- Rogoff, K. (1990). Equilibrium political budget cycles. *American Economic Review* 80(1), 21–36.
- Rogoff, K. and A. Sibert (1988). Elections and macroeconomic policy cycles. *The Review of Economic Studies* 55(1), 1–16.

- Ross, S. A. (1976). The arbitrage theory of capital asset pricing. *Journal of Economic Theory* 13(3), 341–360.
- Sarno, L., P. Schneider, and C. Wagner (2012). Properties of foreign exchange risk premiums. *Journal of Financial Economics* 105(2), 279–310.
- Sarno, L. and G. Valente (2005). Empirical exchange rate models and currency risk: some evidence from density forecasts. *Journal of International Money and Finance* 24(2), 363–385.
- Schick, A. (2003). The role of fiscal rules in budgeting. *OECD Journal on Budgeting* 3(3), 7–34.
- Seki, K. and L. K. Williams (2014). Updating the party government data set. *Electoral Studies* 34, 270–279.
- Sentana, E. and G. Fiorentini (2001). Identification, estimation and testing of conditionally heteroskedastic factor models. *Journal of Econometrics* 102(2), 143–164.
- Shanken, J. (1992). On the estimation of beta-pricing models. *Review of Financial Studies* 5(1), 1–33.
- Shi, M. and J. Svensson (2006). Political budget cycles: Do they differ across countries and why? *Journal of Public Economics* 90(8-9), 1367–1389.
- Staehr, K. (2008). Fiscal policies and business cycles in an enlarged euro area. *Economic Systems* 32(1), 46–69.
- Stanova, N. (2012). Democratic learning and fiscal rules in the political budget cycles of the CEE countries. *International Journal of Economic Policy in Emerging Economies* 5(2), 168–182.
- Stavrakeva, V. and J. Tang (2015, October). Exchange rates and monetary policy. Working Papers 15-16, Federal Reserve Bank of Boston.
- Veiga, F. J., L. G. Veiga, and A. Morozumi (2017). Political budget cycles and media freedom. *Electoral Studies* 45, 88–99.

- Vergne, C. (2009). Democracy, elections and allocation of public expenditures in developing countries. *European Journal of Political Economy* 25(1), 63–77.
- von Hagen, J. (2003). Fiscal discipline and growth in Euroland. Experiences with the Stability and Growth Pact. ZEI Working Paper B06, Center for European Integration Studies, Bonn.
- von Hagen, J., L. Schuknecht, and G. Wolswijk (2011). Government bond risk premiums in the EU revisited: The impact of the financial crisis. *European Journal of Political Economy* 27(1), 36–43.
- von Hagen, J. and G. B. Wolff (2006). What do deficits tell us about debt? Empirical evidence on creative accounting with fiscal rules in the EU. *Journal of Banking & Finance* 30(12), 3259–3279.
- Wiertz, P. (2008a). *Fiscal rules and fiscal outcomes in EMU: Theory and evidence*. Ph. D. thesis, University of Reading, Reading.
- Wiertz, P. (2008b). How do expenditure rules affect fiscal behaviour? DNB Working Paper 166, De Nederlandsche Bank.
- Woldendorp, J., H. Keman, and I. Budge (2011). Party government in 48 democracies. Composition – duration – personnel.
- Wright, J. H. (2012). What does monetary policy do to long-term interest rates at the zero lower bound? *The Economic Journal* 122(564), 447–466.
- Wu, J. C. and F. D. Xia (2016). Measuring the macroeconomic impact of monetary policy at the zero lower bound. *Journal of Money, Credit and Banking* 48(2-3), 253–291.
- Wu, W. (2016). Are financial markets less responsive to monetary policy shocks at the zero lower bound? *Economics Letters* 145, 258–261.

